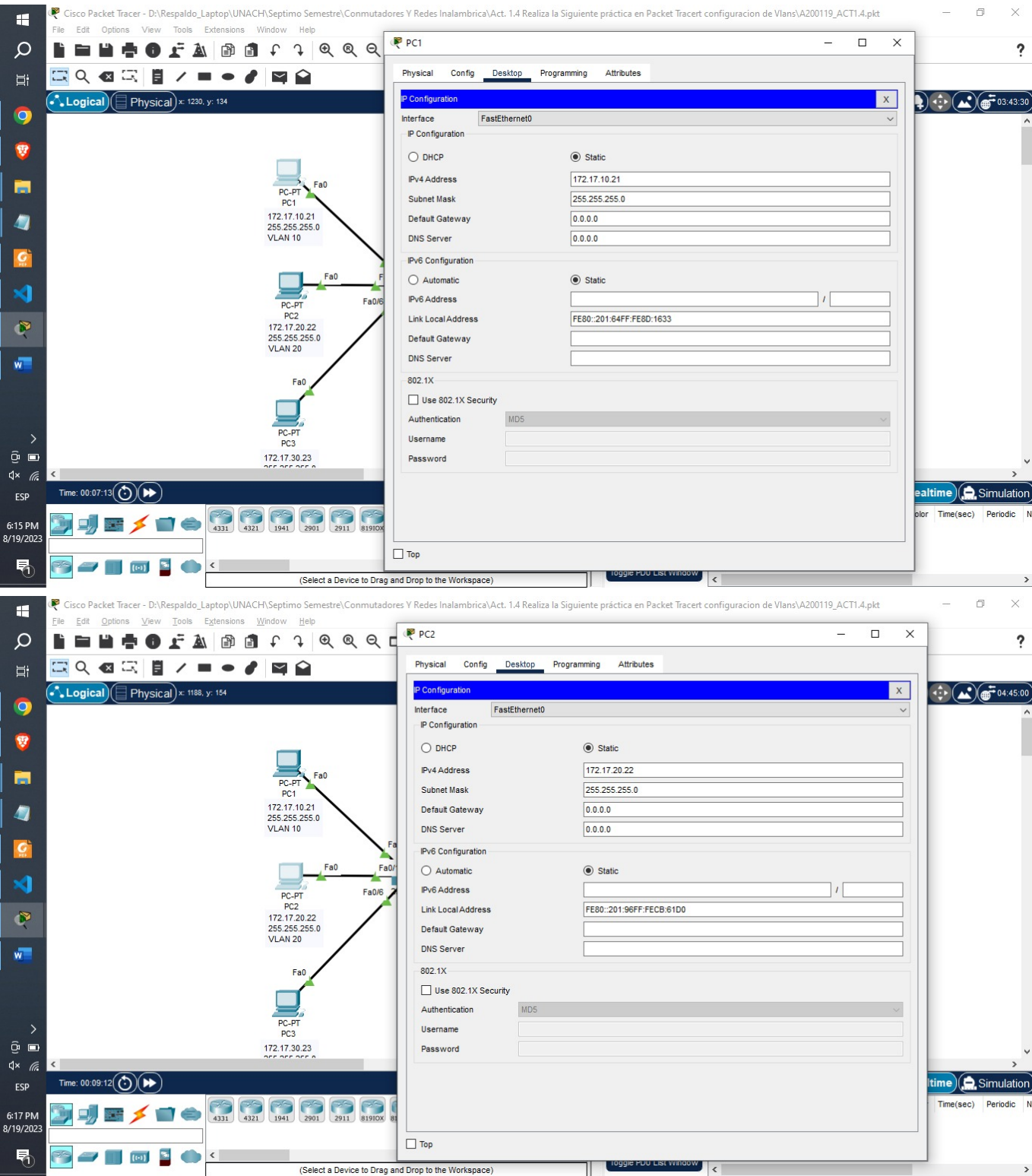
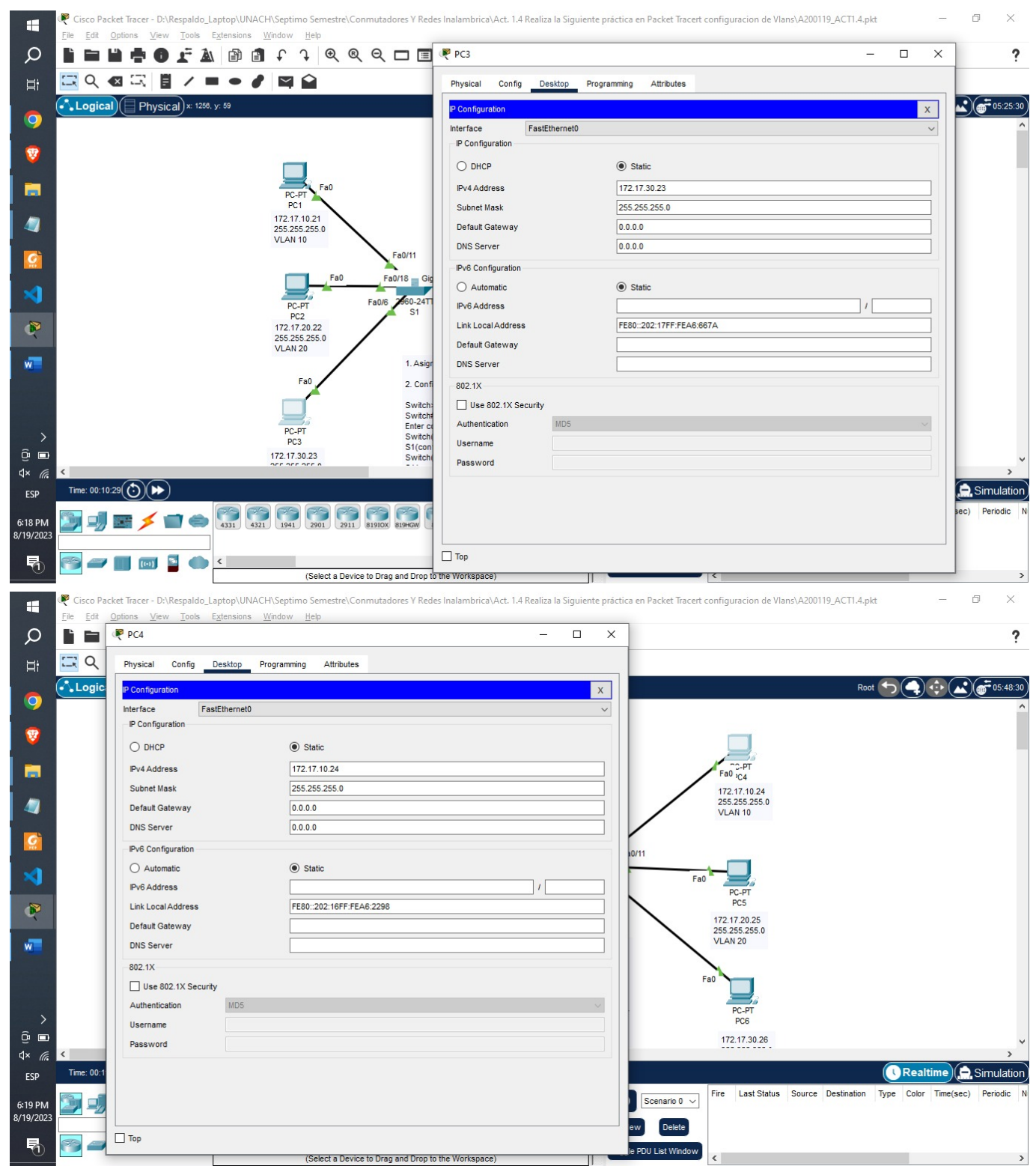
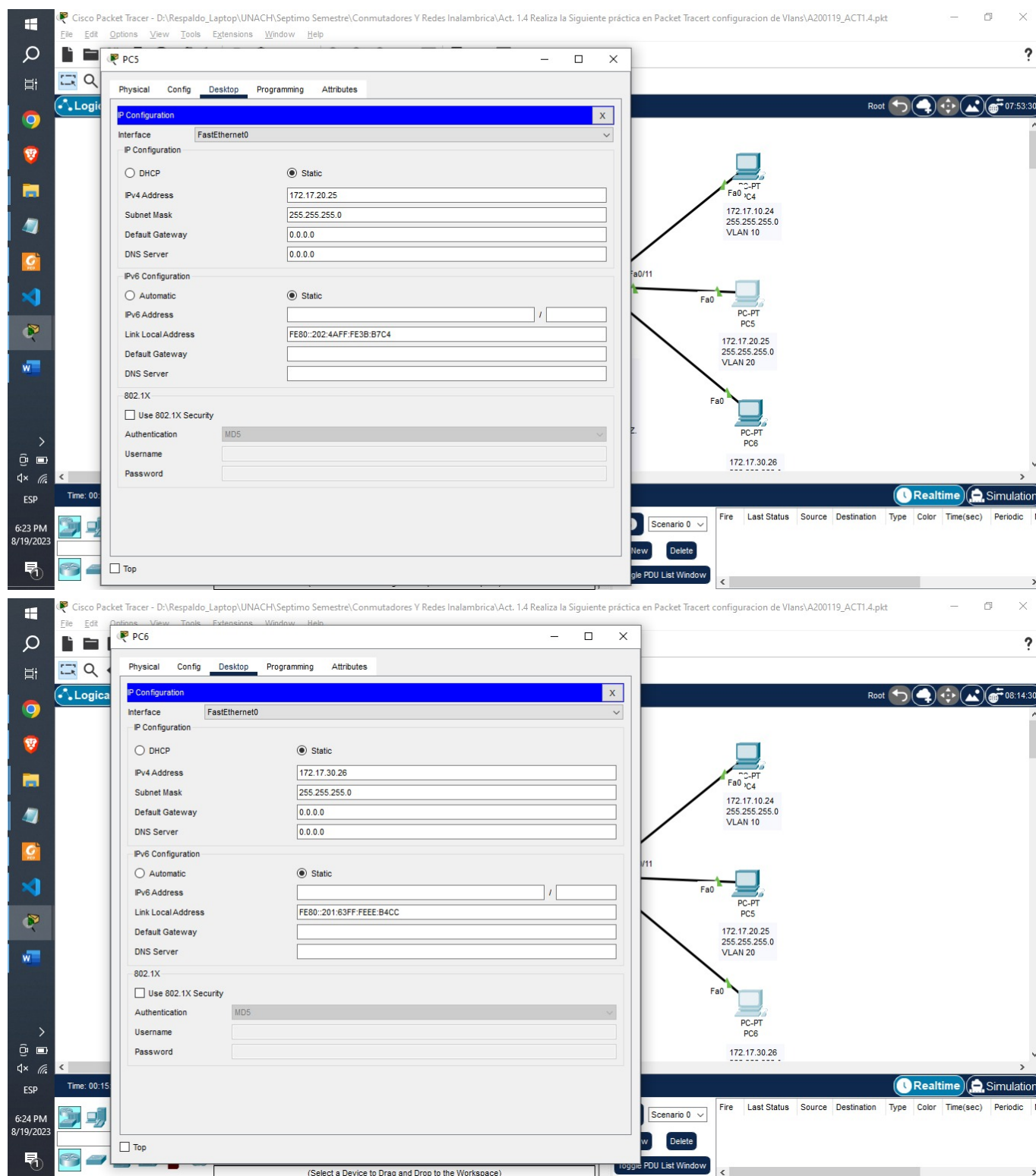


Configuración de Cisco Packet Tracer

1. Asignación de IPs







2. Asignación de nombres

```
Switch>ena
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname S1
S1(config)#vlan 10
Switch(config-vlan)#name vlan10
S1(config-vlan)#exit
S1(config)#vlan 20
```

```
S1(config-vlan)#name vlan20
S1(config-vlan)#exit
S1(config)#vlan 30
S1(config-vlan)#name vlan30
S1(config-vlan)#exit
S1(config)#

Switch>ena
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname S2
S2(config)#vlan 10
S2(config-vlan)#name vlan10
S2(config-vlan)#exit
S2(config)#vlan 20
S2(config-vlan)#name vlan20
S2(config-vlan)#exit
S2(config)#vlan 30
S2(config-vlan)#name vlan30
S2(config-vlan)#exit
S2(config)#

Switch>ena
Switch#conf t
Enter configuration commands, one per line. End with CNTL/Z.
Switch(config)#hostname S3
S3(config)#vlan 10
S3(config-vlan)#name vlan10
S3(config-vlan)#exit
S3(config)#vlan 20
S3(config-vlan)#name vlan20
S3(config-vlan)#exit
S3(config)#vlan 30
S3(config-vlan)#name vlan30
S3(config-vlan)#exit
S3(config)#
```

3. Asignación de puertos

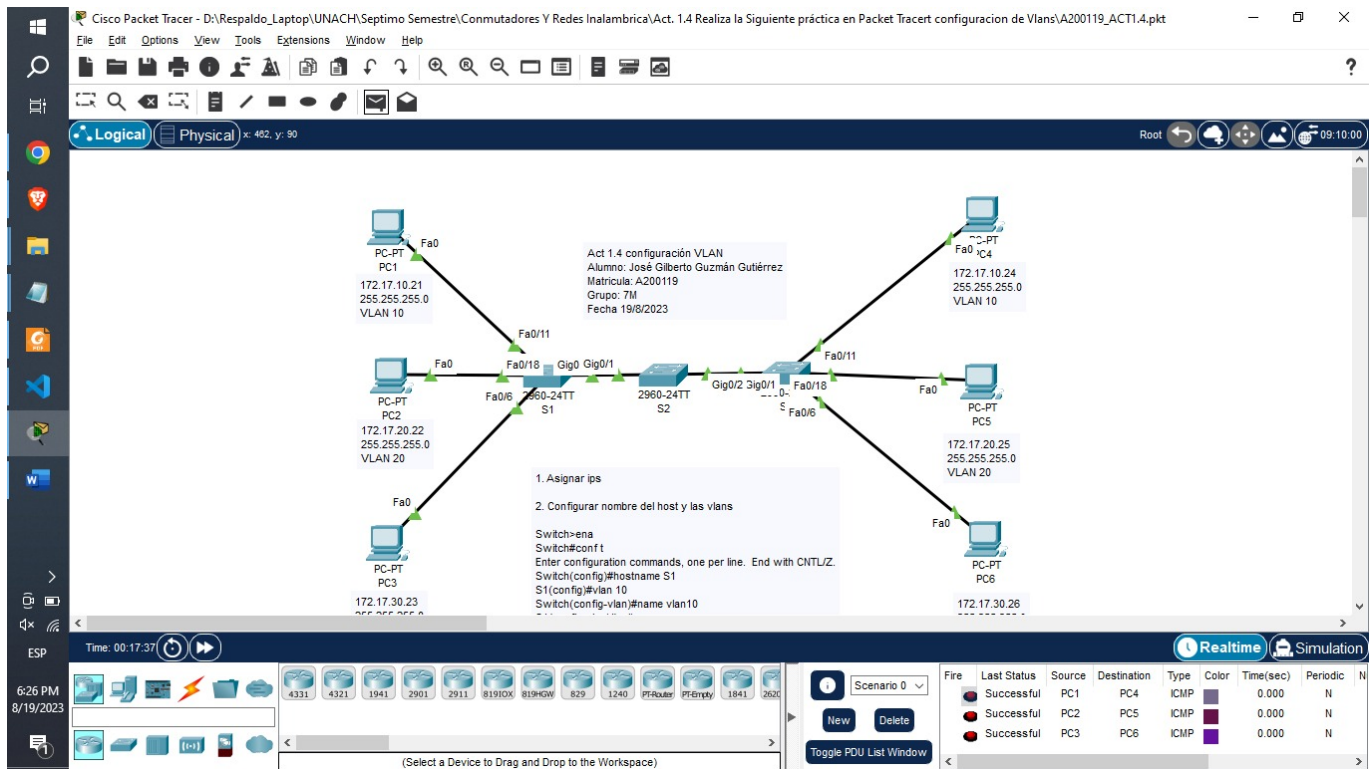
```
S1>ena
S1#conf t
Enter configuration commands, one per line. End with CNTL/Z.
S1(config)#inter f0/11
S1(config-if)#switchport mode access
S1(config-if)#switchport access vlan 10
S1(config-if)#exit
S1(config)#inter f0/18
S1(config-if)#switchport mode access
S1(config-if)#switchport access vlan 20
```

```
S1(config-if)#exit
S1(config)#inter f0/6
S1(config-if)#switchport mode access
S1(config-if)#switchport access vlan 30
S1(config-if)#exit
S1(config)#
S1(config)#inter g 0/1
S1(config-if)#switchport mode trunk

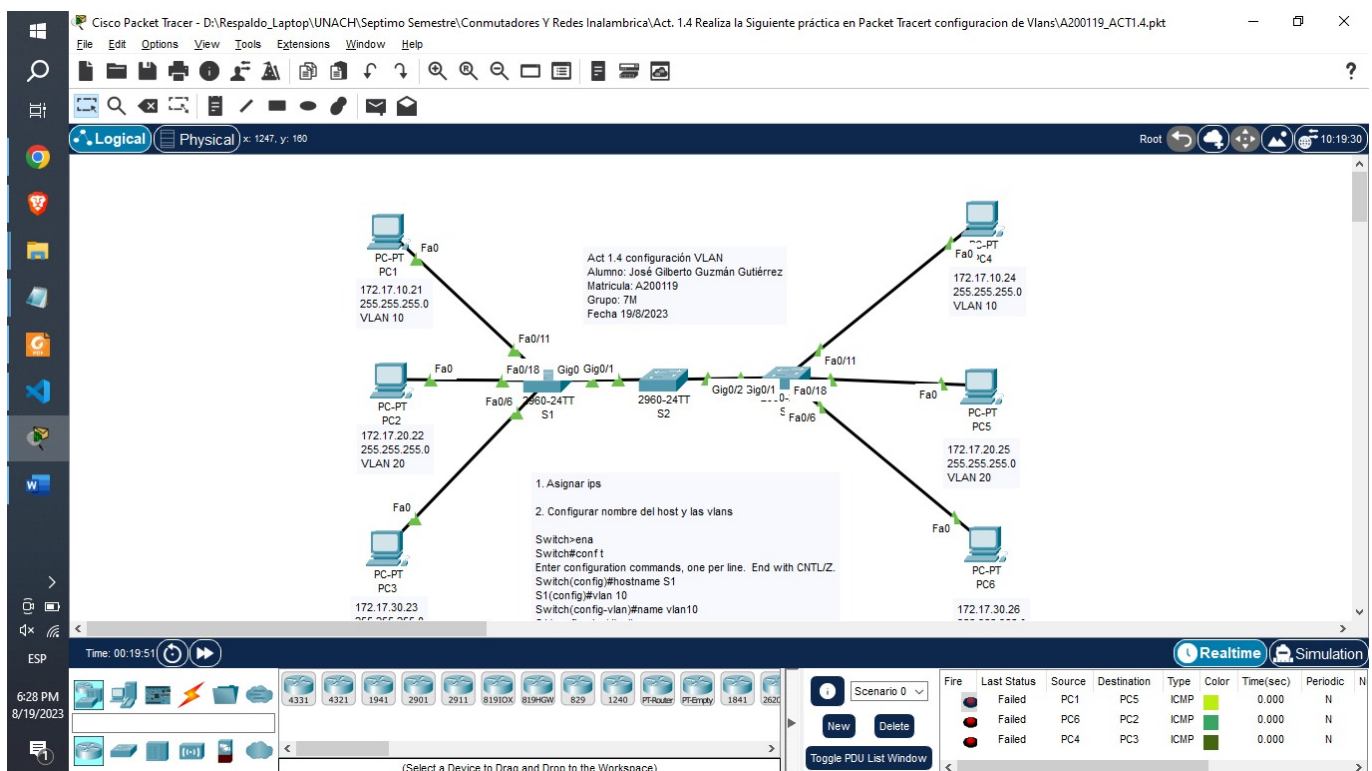
S2>ena
S2#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
S2(config)#inter range gig0/1-2
S2(config-if-range)#switchport mode trunk
S2(config-if-range)#exit
S2(config)#

S3>ena
S3#conf t
Enter configuration commands, one per line.  End with CNTL/Z.
S3(config)#inter f0/11
S3(config-if)#switchport mode access
S3(config-if)#switchport access vlan 10
S3(config-if)#exit
S3(config)#inter f0/18
S3(config-if)#switchport mode access
S3(config-if)#switchport access vlan 20
S3(config-if)#exit
S3(config)#inter f0/6
S3(config-if)#switchport mode access
S3(config-if)#switchport access vlan 30
S3(config-if)#exit
S3(config)#
S3(config)#inter g0/1
S3(config-if)#switchport mode trunk
```

4. Comprobación de resultados



Se **permite la comunicación** entre los equipos que forman parte de la misma vlan.



Se **restringe la comunicación** entre los equipos que no forman parte de la misma vlan.

Carpeta de Github

[https://github.com/Gilberto-Guzman/Conmutadores-Y-Redes-](https://github.com/Gilberto-Guzman/Conmutadores-Y-Redes-Inalambricas/tree/main/Act.%201.4%20Realiza%20la%20Siguiente%20pr%C3%A1ctica%20en%20Packet%20Tracer%20configuracion%20de%20Vlans)

[Inalambricas/tree/main/Act.%201.4%20Realiza%20la%20Siguiente%20pr%C3%A1ctica%20en%20Packet%20Tracer%20configuracion%20de%20Vlans](https://github.com/Gilberto-Guzman/Conmutadores-Y-Redes-Inalambricas/tree/main/Act.%201.4%20Realiza%20la%20Siguiente%20pr%C3%A1ctica%20en%20Packet%20Tracer%20configuracion%20de%20Vlans)